

INTERNATIONAL SEARCH REPORT

PCT/US 02/18135

A. CLASSIFICATION OF SUBJECT MATTER

IPC 7 H04L12/56 H04B7/26

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

IPC 7 H04B H04Q

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

EPO-Internal, INSPEC, PAJ, IBM-TDB, WPI Data

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	EP 1 067 729 A (NIPPON ELECTRIC CO) 10 January 2001 (2001-01-10) abstract figures 5A-5D paragraphs '0008!', '0015!'-'0025!', '0034!'-'0045!	1-10, 13-16
Y	---	11, 12
Y	EP 0 743 803 A (TOKYO SHIBAURA ELECTRIC CO) 20 November 1996 (1996-11-20) abstract figure 1 column 2, line 1 -column 3, line 28	11, 12
A	---	1-10, 13-16
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☒ Further documents are listed in the continuation of box C.☒ Patent family members are listed in annex.

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Date of the actual completion of the international search

11 September 2002

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24/09/2002

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C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT

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A	US 5 751 969 A (KAPoor VIJAY) 12 May 1998 (1998-05-12) abstract figures 3-7 column 1, line 10-24 column 3, line 1-12 column 4, line 47-67 column 5, line 20 -column 6, line 26 ---	1-16
E	EP 1 231 807 A (LG ELECTRONICS INC) 14 August 2002 (2002-08-14) abstract figures 1, 2, 5, 6 paragraphs '0003!', '0020!'-'0022!', '0028!', '0037!', '0038!', '0044!'-'0050!', '0057!'-'0061! claims 1, 2, 9, 10 -----	1-10, 13-16

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